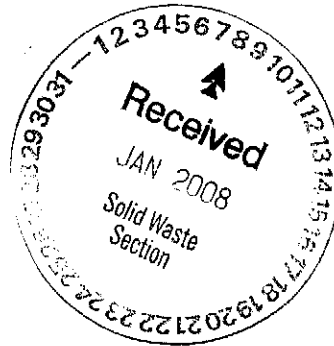


**SCS ENGINEERS**

January 3, 2008

File No. 02199312.02-2

Ms. Jackie Drummond  
NCDENR  
Division of Waste Management  
Solid Waste Section  
1646 Mail Service Center  
Raleigh, North Carolina 27699-1646



Subject: Notification of Methane Exceedances at Landfill Gas Monitoring Probes.  
North Wake County Landfill – Raleigh, North Carolina

Dear Ms. Drummond:

On behalf of Wake County (County), SCS Engineers, PC (SCS) is submitting this letter to notify NCDENR of five methane exceedances detected at perimeter landfill gas (LFG) monitoring probes M-3, M-22, M-23, M-24, and M-26 at the North Wake County Landfill (Permit No. 92-09). Under 15A NCAC 13B Section .1626(4)(c)(ii), the County must place in the operating record the methane gas levels recorded within seven days of detection. The methane exceedances at the five probes were detected during routine quarterly monitoring on December 27, 2007.

During the Fourth Quarter 2007 monitoring event involving the perimeter LFG monitoring probes at the Landfill, probes M-3, M-22, M-23, M-24, and M-26 exhibited methane concentrations greater than the regulatory compliance threshold of 5.0 percent, which is equivalent to the lower explosive limit (LEL) for methane. LFG probe monitoring results are attached in Exhibit 1. Verification monitoring is scheduled to be conducted by SCS on a monthly basis. Probes M-3, M-22, M-23, M-24, and M-26 are located on the west, north, and southeast sides of the closed, unlined cell.

Based on SCS' discussions with the LFG control system operator, Wake Gas Producers (WGP), we understand the malfunction of a specific system component was identified in mid-December and is suspected to be the cause of these exceedances at select perimeter LFG monitoring probes adjacent to the closed, unlined cell. Upon identifying the problem, WGP initiated efforts to correct the malfunction and completed repairs on 12/28/07. SCS will continue to coordinate with Wake County and WGP to monitor the active LFG control system performance and evaluate the impact on subsurface methane levels at the perimeter LFG monitoring probes.

As required by 15A NCAC 13B Section .1626(4)(c)(iii), the Facility has implemented a remediation plan, which consisted of accomplishing repairs to the problematic system component, within 60 days of the initial exceedance. In accordance with the existing LFG Remediation Plan, dated 7/12/07, the frequency for monitoring LFG probes exhibiting elevated methane concentrations will be monthly until such time that the probes have demonstrated compliant methane concentrations for three consecutive months.



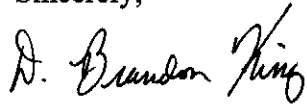
Mrs. Jackie Drummond

January 3, 2008

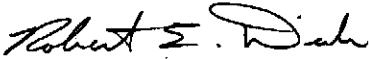
Page 2

If you have questions or comments regarding the County's notification, please feel free to contact Johnny Beal of Wake County at (919) 856-5634 or Bob Dick at (804) 598-9480.

Sincerely,

A handwritten signature in black ink that reads "D. Brandon King". The signature is written in a cursive style with a large, stylized "K".

D. Brandon King  
Associate Staff Scientist

A handwritten signature in black ink that reads "Robert E. Dick". The signature is written in a cursive style with a large, stylized "D".

Robert E. Dick, PE  
Project Director  
SCS ENGINEERS, PC

cc: Dan LaMontagne – Wake County  
Johnny Beal – Wake County